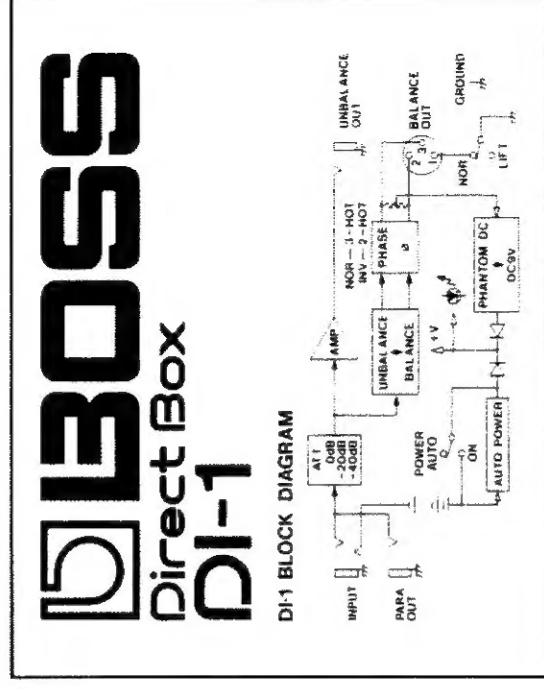


# **BOSS** DI-1 Direct Box

## Instructions



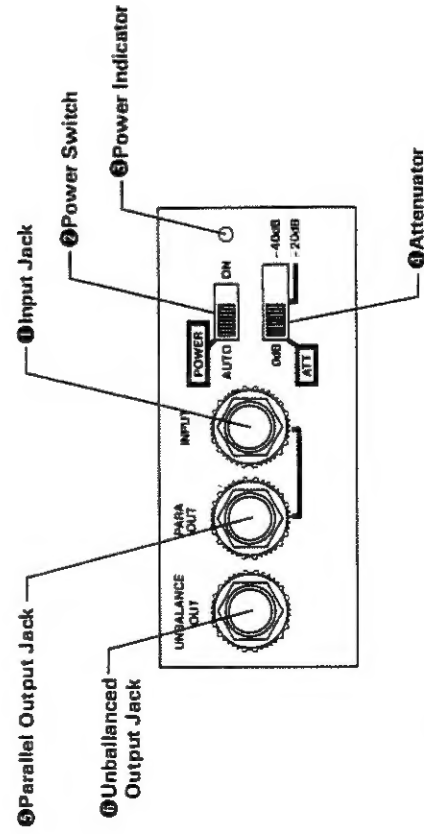
- Please read these instructions carefully.



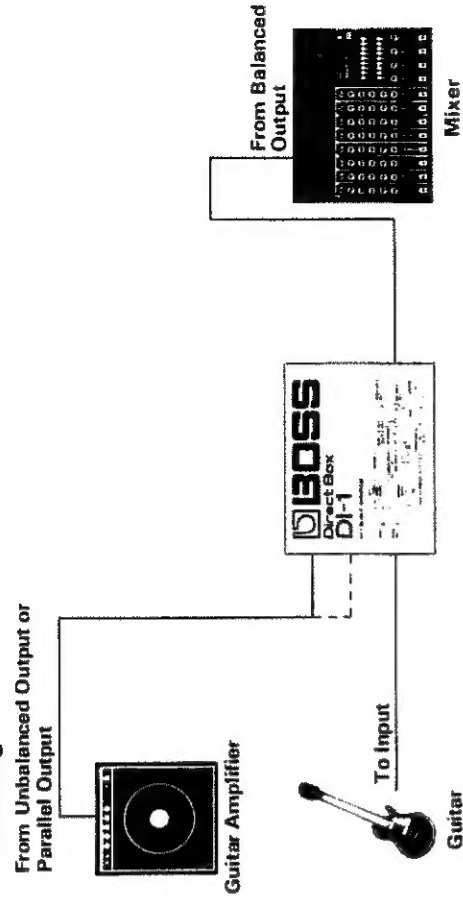
## Direct Box DI-1

- The BOSS Direct Box DI-1 is the unbalanced to balanced converter which can satisfy even the fussiest professional musician.
- A high impedance instrument such as electric guitar or bass guitar can be directly connected to the DI-1 without causing deterioration of tone quality.
- Featuring Auto Power On/Off circuit, the DI-1 is automatically turned off when signal stops coming in.
- The DI-1 can be power-supplied by the mixer of phantom power as well as by usual battery power.
- With the Input Attenuator, wide range of input level can be accepted.
- With the Phase Switch, the polarity of the Balanced Output can be changed.
- The Ground Lift Switch is provided to solve the earth loop effect.
- The Parallel Output Jack sends the input signal in exactly the same shape.
- The DI-1 operates properly even when the first and the second (or third) pins of the Balanced Output are closed.

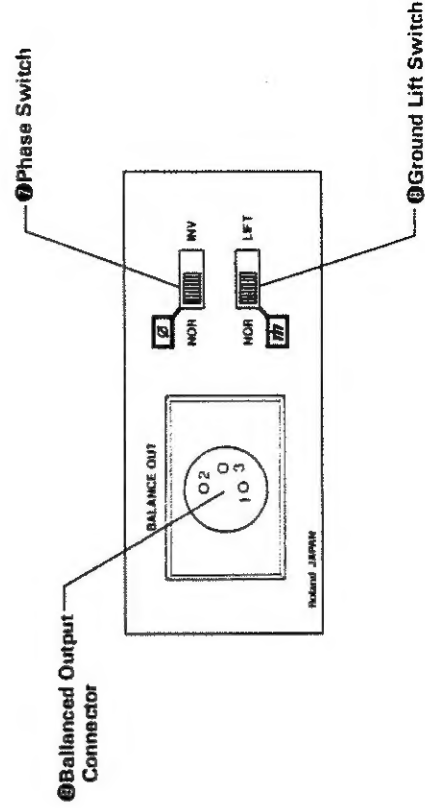
## Panel Description



## Connecting

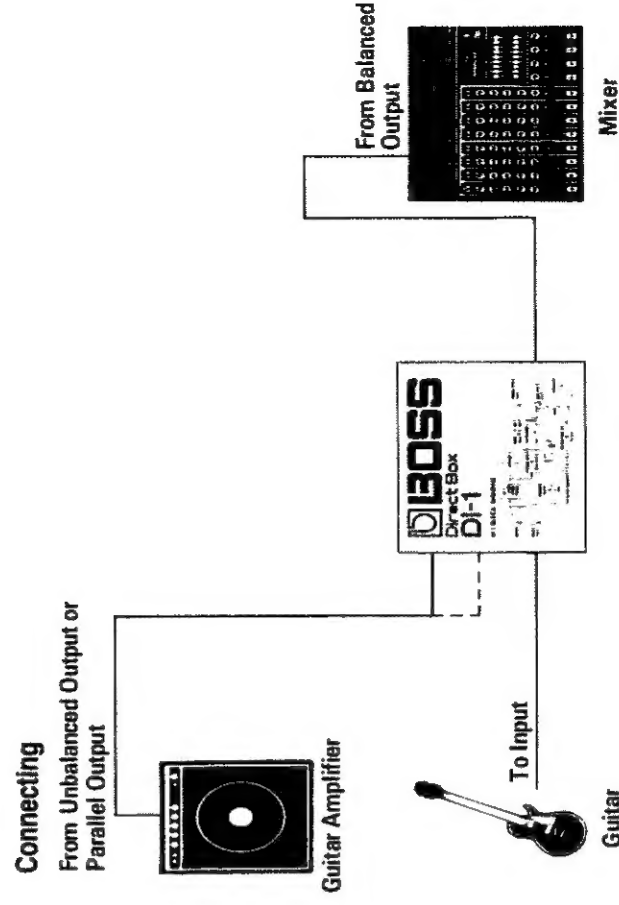


\* If you wish to send the signal from the DI-1 to the guitar amplifier, connect the amplifier to the Unbalanced Output Jack of the DI-1.



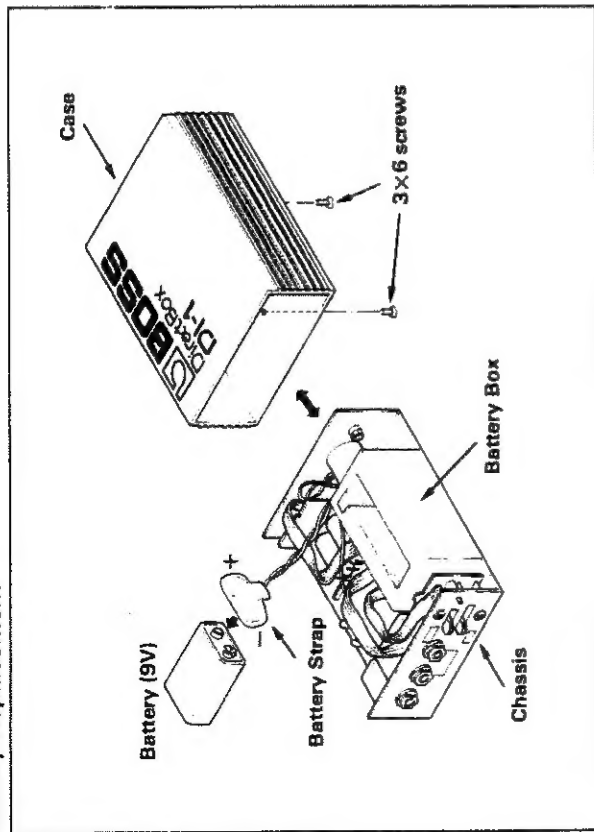
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\* If you wish to send the signal from the DI-1 to the guitar amplifier, connect the amplifier to the Unbalanced Output Jack of the DI-1.

## Battery Replacement



## Battery Replacement

### Use a 9V battery.

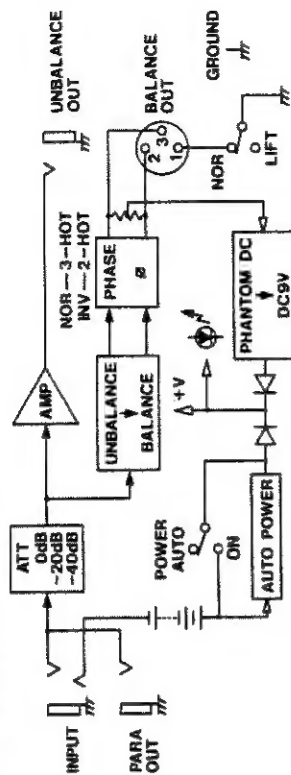
- (1) Loosen the screws on the bottom of the unit with the driver. (2 screws)
- (2) Remove the chassis.
- (3) Take the exhausted battery out of the battery box, then disconnect the battery strap.
- (4) Connect the battery strap to the new battery then replace the battery to the battery box.
- (5) Replace the chassis to the case, then tighten the screws with the driver.

\* Here, be sure that the battery cord is not caught between the chassis and the case. Also, tighten the screws firmly enough.

## Important Notes

- When the unit is not to be used, be sure to disconnect the connection cord from the Input Jack.
- Avoid using the unit in extreme heat, humidity or where it may be affected by dust.
- When the unit is not to be used for a long time, remove the battery from the battery box to avoid the trouble caused by battery leakage.

## DI-1 BLOCK DIAGRAM



## Specifications

|                            |  |
|----------------------------|--|
| Power                      | 9V DC or Phantom Power 24V to 48V DC   |
| Rated Input Level          | -20dBm/OutBm *4 20dBm selectable   |
| Maximum Input Level        | +45dBm(1kHz) 390Vp-p   |
| Input Impedance attenuator | 4.7MΩ/37kΩ/33kΩ corresponding to the attenuator  |
| Rated Output Level         | -18dBm(Balanced Output/600Ω)<br>-20dBm(Unbalanced Output/500Ω)<br>+8dBm(Balanced Output/600Ω)<br>+8dBm(Unbalanced Output/500Ω)                                   |
| Maximum Output Level       | over 200p (Balanced Output)<br>over 100p (Unbalanced Output)   |
| Output Load Impedance      | 20Ω to 4kΩ(20Vrms)<br>under 110dBm(11F A)  |
| Frequency Response         | under 0.05%  |
| Residual Noise             | Minimum level for Auto On -54dBm   |
| Total Harmonic Distortion  | Auto Off Response Approx 15 minutes  |
| Auto Power On/Off          | Input, Parallel Output<br>Unbalanced Output, Balanced Output Connector,<br>Power(On/Auto), Attenuator(0dB/-20dB/-40dB)<br>*Phase(Nor/Inv), Ground Lift(Nor/Lift) |
| Jacks                      | 6mA  |
| Switches                   | 90 5W/×46H×125Dmm  |
| Current Draw               | 3.13/16×1.13/16×4.15/16"   |
| Dimensions                 | 480g/1.1lb 1oz   |
| Weight                     |  |

\*Specifications are subject to change without notice.



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**2603069700**

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